

## US005088484A

Timidad Chadaa Dadaad			US0050884
United States Patent	[19]	[11]	Patent Number
Freeman et al.			D

Date of Patent: [45]

5,088,484

Feb. 18, 1992

ORTH	IOPEDI	C CASTING BANDAGE
Invent	N.	orace L. Freeman, Burlington, C.; Hee K. Yoon, North unswick, N.J.
Assign	ee: Ca W	irolina Narrow Fabric Company, inston-Salem, N.C.
Appl.	No.: 59	3,852
Filed:	O	et. 5, 1990
Int. Cl. U.S. C	, s 1	
Field o	<b>f Search</b> 28/91 R	602/8 128/89 R, 89 A, 90, ., 165, 166, 155–156; 428/255, 273, 542.8, 913
	R	eferences Cited
U	S. PAT	ENT DOCUMENTS
,447,887 ,589,934 ,970,422 ,045,601 ,161,176 ,256,459 ,306,549 ,376,438 ,406,662 ,433,680	6/1969 6/1971 7/1976 8/1977 7/1979 3/1981 12/1981 3/1983 9/1983 2/1984	Smith         128/156           Lindenhovius et al.         8/930           Schimmel         8/553           Maeda et al.         8/553           Brodmann et al.         8/523           Harris, II et al.         128/155           Russell et al.         8/930           Canie         128/90           Straube et al.         128/90           Beran et al.         8/471           Yoon         128/90
֡	Assign Appl. Filed: Int. Cl. U.S. Cl Field o  1  905.174 447.887 970.422 045.601 161.176 256.459 306.549 376,438 406,662	Inventors: H N Bi  Assignee: Ca W Appl. No.: 59 Filed: Oc Int. Cl. <sup>3</sup> U.S. Cl. Field of Search 128/91 R  U.S. PAT 905.174 5/1959 447,887 6/1969 589,934 6/1971 970,422 7/1976 045,601 8/1977 161.176 7/1979 256,459 3/1981 306,549 12/1981 376,438 3/1983 3406,662 9/1983

4,574,793		Lee 128/90
4,745,912	5/1988	McMurray 128/90
4,781,725	11/1988	Dunn, Jr. et al 8/930
4,800,872	1/1989	Buese 178/90
4,934,356	6/1990	Klintworth 428/25
4,940,047	7/1990	Richter 128/90
4,946,726		Sandvig 128/90
4,984,566	1/1991	Sekine 128/90

## FOREIGN PATENT DOCUMENTS

WO90/14060 11/1990 PCT Int'l Appl. .

Primary Examiner—Robert A. Hafer Assistant Examiner—Michael Brown Attorney, Agent, or Firm-Bell, Seltzer, Park & Gibson

[57] **ABSTRACT** 

The invention provides improved orthopedic cast bandages and improved orthopedic casts which include one or more colors. The orthopedic cast bandages of the invention comprise an open mesh fabric tape and a hardenable liquid resin coated onto the fibrous tape. At least one coloring agent is visibly disposed on at least a portion of the fibrous tape. The coloring agent is stably retained by the fibrous tape in the presence of the hardenable liquid resin. Because the coloring agent is stably retained by the fibrous tape, the invention provides for colored orthopedic casting tapes which do not require the use of colored liquid resins. In addition, multiple colored, patterned orthopedic casts, not heretofore available, are provided by the invention.

33 Claims, 2 Drawing Sheets

